## PRELIMINARY TECHNICAL DESCRIPTION OF FIBER OPTIC CABLE

## 1. Cable construction

| Cable type | A-DSQ(ZN)(SR)2Y-(2-5) $\times 12-250-652 \mathrm{D} / 657 \mathrm{~A} 1+\mathrm{Cu} 2 \mathrm{Y} 1 \times 2 \times 0.64-2040$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |

## 2. Mechanical characteristics

| Calculated tensile strength, not less than <br>  <br> Dynamic | kN |
| :--- | :--- |
| Minimum bending radius | 20 5 |
| Short-term crush test, $\mathrm{kN} / \mathrm{cm}(\mathrm{N} / 10 \mathrm{~cm})$ |  |
| Resistance to axial torsion at angle $\pm 180^{\circ}$ on 2 m length cable | $0,25(2500)$ |
| Resistance to bends at angle $\pm 90^{\circ}$ with a radius equal to 20 nominal <br> cable diameters | Resistant |
| Resistance to impact 15 J | Resistant |

[^0]
## 3. Electrical characteristics

| Test voltage conductor-conductor, V | 1000 |
| :--- | :---: |
| Maximum operation voltage, V | 250 |
| Nominal capacitance between conductors, $\mathrm{nF} / \mathrm{km}$ | $50 \pm 5$ |
| Nominal conductor DC resistance at $20^{\circ} \mathrm{C}, \mathrm{Ohms} / \mathrm{km}$ | $65 \pm 4$ |

## 4. Packaging and marking

| Cable factory length, km | 6 |
| :--- | :---: |
| Package | Drum №14g (1401x1013x1401) |
| Tolerance, \% | $\pm 3,0$ |
| Short lengths (customer approval) | Maximum 5\% |
| Marking method | Inkjet printing |
| The accuracy of marking, \% | $\pm 0,5$ |

## 5. Coloring

Coloring of fibers in loose tube (According to Customer's requirements color can be different).

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| red | green | blue | yellow | white | slate | brown | violet | aqua | black | orange | pink |

Coloring of optical loose tube (According to Customer's requirements color can be different). Core-filler color is natural.

| 1 | 2 | 3 | 4 | 5 | 6 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| red | green | blue | yellow | white | slate |

Coloring wires in a twisted pair (According to Customer's requirements color can be different)

| 1 | 2 |
| :---: | :---: |
| white | blue |

## 6. Product data

| Fiber count | 24 | 48 | 60 |
| :--- | :---: | :---: | :---: |
| Loose tubes $x$ fibers | $2 \times 12$ | $4 \times 12$ | $5 \times 12$ |


[^0]:    ${ }^{1}$ Tensile strength value is for maximum number of fibers design

